

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Norbert O. Reich et al. Docket No.: 30794.30USWO
Filed: February 3, 2000
Title: MODULATORS OF DNA CYTOSINE-5 METHYLTRANSFERASE AND METHODS FOR USE THEREOF

Prepared
BA

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By: *Darlene Ross*
Name: Darlene Ross

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

In connection with the above-identified application filed herewith, please enter the following preliminary amendment:

IN THE CLAIMS

Please cancel claims 1-20 in the WIPO application and insert new claims 1-25 as follows:

1. A synthetic oligonucleotide comprising a C-5 methylcytosine and which recognizes and binds an allosteric site on DNA cytosine methyltransferase (DCMTase) thereby modulating DCMTase activity associated with the allosteric site.
2. The synthetic oligonucleotide of claim 1, wherein the modulating comprises inhibition.
3. The synthetic oligonucleotide of claim 1, wherein the modulating comprises activation.
4. The synthetic oligonucleotide of claim 1, wherein the C-5 methylcytosine is present as a 5mCpG dinucleotide.

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